

## ABSTRACT

The invention relates to a method and a device for determining the parameters of a fluctuating flow of a fluid in a pipe, wherein at least three electrodes (S1, E, S2) that are placed at a distance from one another in the direction of flow are provided in the periphery of the flow, wherein  
5 alternating voltage signals ( $s_s$ ) are fed to a first upstream transmission electrode arrangement (S1) and to a second downstream transmission electrode arrangement (S<sub>2</sub>) and the receiving signals ( $s_e$ ) generated by the displacement current are detected in a receiving electrode arrangement (E) located between the transmission electrodes and  
10 subjected to a time-discrete cross-correlation. The throughput times of the fluctuations detected by the electrodes are determined on the basis of the results.